



Edward Kolodziej

Senior Project Manager – Environmental Remediation

GE

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King of Prussia, PA 19426

USA

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April 10, 2015

Todd Gmitro
Corrective Action Project Manager
Remediation and Reuse Branch - U.S. EPA Region 5
77 W. Jackson Blvd. (LU-9J)
Chicago, IL 60604

Re: General Electric Company, Evendale, Ohio
OHD 000 817 312
Progress Report

Dear Mr. Gmitro:

Please find attached the First Quarter 2015 Progress Report. If you have any questions, please contact me at (610) 992-7981.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manages the system or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

A handwritten signature in blue ink that reads 'Ed Kolodziej'.

Ed Kolodziej
Senior Project Manager – Environmental Remediation

cc: Chief Mike Hauck, Evendale Fire Department
Tim Hull, OEPA
Ralph Mertz, BUSTR (Incident Number: 31001060)
John Wolfe, United States Air Force
Kent Scott-Smith, United States Air Force
Joanne Reinhold, GE

Description of Work Completed in First Quarter 2015:

- Performed continuous pumping from extraction wells in each water-bearing unit. The average pumping rates for the first quarter 2015 were:

<u>Well ID</u>	<u>Unit</u>	<u>1Q 2015 Average Pumping Rate (gpm)</u>
EW-2P	Perched	43
EW-4P	Perched	44
EW-5P	Perched	24
EW-6P	Perched	37
EW-7S	USG	5
EW-3D	LSG	49
EW-8D	LSG	49

Total Ave. = 251 gpm

- Continued cyclical pumping at EW-7S due to low yield. The average pumping rate for EW-7S over the quarter was 5 gpm. GE continues to monitor pumping at the current rate and will be presenting a summary of pilot test procedures to evaluate the potential benefits of an alternate pumping approach, as outlined in the Corrective Measures Study (CMS) Work Plan.
- Continued progress monitoring of aquifer conditions in the three water-bearing units in accordance with the Performance Monitoring Plan (PMP). Submitted the 4th quarter/annual summary groundwater sampling report for 2014 to USEPA on April 8, 2015.
- Conducted IRM groundwater level monitoring and transducer download on January 6, 2015 to complete IRM hydraulic monitoring for 4th quarter 2014.
- Conducted the 1st quarter 2015 IRM groundwater sampling during the week of March 9th, 2015.
- Continued operating the IRM groundwater treatment plant, including scheduled and unscheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Operational run-time for the treatment plant was 98.9% for the quarter.
- Conducted the 4th quarter soil vapor sampling from the eleven shallow sampling locations on January 14-15, 2015.
- Notified USEPA on February 18, 2015 of plans to decommission former recovery wells RW-301, RW-306, RW-800, and AF-INT-1 (well on former AFP36) as well as the tentative schedule for decommissioning the AFP36 air stripper. Wells RW-301, RW-306, and AF-INT-1 were plugged and abandoned between February 25th and March 4th 2015. Well abandonment logs are attached. The decommissioning of RW-800 has been postponed indefinitely due to safety restrictions and will be conducted following removal of overhead power lines.
- Initiated CMS activities associated with interim reports pertaining to impacted soil management, vapor assessment activities, and groundwater performance monitoring.
- Held discussions with BUSTR regarding the additional information requested for the Bldg 500 UST in their December 3, 2014 letter. Plans for additional delineation and Tier I and II reporting are being developed for submittal by May 3, 2015 (extended deadline).
- Completed clean-up and backfilling of four manholes in Building 700, discovered during renovations, in accordance with the plan emailed to USEPA on January 15, 2015. The base of

each manhole appeared intact; therefore, no additional sampling was completed. A summary of work activities will be submitted pending completion of cleanup at the cart wash area, which is anticipated to begin in the 2nd quarter.

Summary of All Findings:

- None

Contacts with the Public:

- None

Problems or Potential Problems Encountered:

- None, except as noted above

Actions Taken to Rectify Problems:

- None necessary

Changes in Personnel During Reporting Period:

- None

Projected Work for Second Quarter 2015:

- Continue pumping in the three aquifer zones (Perched, USG and LSG) and progress monitoring of aquifer conditions as outlined in the PMP. Conduct IRM water level monitoring and transducer download in early April 2015.
- Continue operating the IRM groundwater treatment plant, including scheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters.
- Begin preparation of the 1st quarter IRM groundwater monitoring report.
- Conduct 2nd quarter IRM and first semiannual groundwater monitoring in early June 2015.
- Conduct annual MNA sampling event in early June 2015.
- Collect shallow soil vapor samples from the eleven sampling locations in June 2015 as part of the 1st semiannual vapor sampling event.
- Perform minor well repairs on approximately 20 monitoring wells.
- Submit CMS interim reports on soil conditions and management planning, vapor assessment, and groundwater performance monitoring updates.
- Initiate CMS activities for interim reports related to development of groundwater corrective measure objectives, pilot testing, and land use controls, as presented in the approved CMS Work Plan.
- Decommission the inactive AFP 36 air stripper system.
- Implement drilling and soil sampling for additional delineation and reporting for Bldg 500 UST.
- Begin clean-up at the cart wash area. If completed during 2nd quarter, begin preparing the summary memo documenting work completed.

Copies of Daily Reports and Laboratory/Monitoring Data:

Copies of well abandonment logs for IRM recovery wells RW-301, RW-306, and AF-INT-1 are attached.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6605
Voice: (614) 265-6740 Fax: (614) 265-6767

0160553

LOCATION

Circle One or Both

County Hamilton/Butler Township Westchester Section/Lot Number

Owner/Builder CE/General
Circle One or Both

Address of Well Location 1 Neumann Way
Number Street Name

City Cincinnati Zip Code 45241

Property Location 1/2 miles S/E of Magnolia Dr. & Everdale Drive
Description _____ nearest intersection _____

on the North side of Everdale Drive
n, e, s, w road name

Location of Well in either: ☐ State Plane ☐ X ☐ Y ☐ ft. or m ☐ OR ☐ Check ONE ☒ In Decimal Degrees ☐ Degrees Minutes ☐ Degrees Min. Sec. ☐ Latitude/Longitude Latitude 35.047392 Longitude 94.439539

Elevation of Well 171.00 +/- m ft. or m Datum Plain: ☐ NAD27 ☐ NAD83

Source of Coordinates: ☒ GPS ☐ Survey ☐ Other _____

ORIGINAL WELL ODNR Well Log Number 577236 Copy attached? ☒ Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements: _____

Depth of Well	35 FT	Static Water Level	20 FT
Size of Casing	8 inch	Length of casing	21 FT
Well Condition	Fair to good		

SEALING PROCEDURE

Method of Placement	OVER DRILL REMOVE CASING / Bentonite Cement	200
	Sealing Material	Volume

Placement: From 35 To 0

Was Casing Removed? Yes or No
(circle one)

Condition of Casing Fair to good

Perforations: From _____ To _____

From _____ To _____

Date Sealing Performed 3-4-15

Reason(s) for Sealing: Decommissioning,
(Note submitted online also 3/20/15)

CONTRACTOR

Name CASCADE Dealing ODH Registration # 4244

Address 6715 Leeward Dr

City/State/Zip Font. MT. 08507

Signature *[Handwritten Signature]*

I hereby certify the information given is accurate and correct to the best of my knowledge.

Completion of this form is required by section 1521.05 (B) (9), Ohio Revised Code - file within 30 days after completion of sealing.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 2045 MORSE ROAD, COLS., OHIO 43229-6605
Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

WELL LOG AND DRILLING REPORT

NO CARBON PAPER
NECESSARY-
SELF-TRANSCRIBING

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Fountain Square
Columbus, Ohio 43224

577836

Sycamore

COUNTY Hamilton TOWNSHIP N/A SECTION OF TOWNSHIP _____

OWNER GE Aircraft Engines ADDRESS Evendale, OH

LOCATION OF PROPERTY East of I-75 between Shepard Ave and Rt 126

BAILING OR PUMPING TEST
(specify one by circling)

Casing diameter 8" Length of casing 35'

Test rate 198 gpm Duration of test 24 hrs

Type of screen 8" ps ss 304 Length of screen 15'

Drawdown 11 ft Date Sept. 1991

Type of pump N/A

Static level (depth to water) 17' ft

Capacity of pump

Quality (clear, cloudy, taste, odor) _____

Depth of pump setting

Pump installed by _____

Date of completion.

SKETCH SHOWING LOCATION

Formations: sandstone, shale,
limestone, gravel, clay

From

To

Locate in reference to numbered
state highways, street intersections, county roads, etc.

0 ft

ff

Yellow silty clay

0

12

Fine to coarse sands and silt

10

32

Silty sands and clay

32

36

WELL CONSTRUCTION

+ 1 1/2' - 15' - 8" riser

15½ - 30½ - 8" PS SS 304 screen .080" slot

30½ - 35½ - 8" sump

Parry gravel 3/16 x No. 10

DRILLING FIRM. MOODY'S OF DAYTON, INC.

DATE 9/27/91

ADDRESS 4359 Infirmary Road, Miamisburg, OH 45343

SIGNED Douglas F. Wagner

*If additional space is needed to complete well log, use next consecutive numbered form.

0160551

LOCATION

Circle One or Both

County Hamilton/Butler Township West Chester Section/Lot Number

Owner/Builder CE / Fuentetaja
Circle One or Both

Address of Well Location 325A Everdale Drive, Cincinnati, OH
 Number Street Name

City Cincinnati Zip Code 45241

Property Location _____ miles 5 of Glendale Mill Ford Rd & Everdale Dr
n, e, s, w nearest intersection

Description on the N.W. Corner of Building side of 325 Building Excelsior Dr.
n.e.s.w. road name

Location of Well in either:
 State Plane
 OR
 Latitude/Longitude
 Check ONE ☒ In Decimal Degrees ☐ Degrees Minutes ☐ Degrees Min. Sec.
 Latitude 39.25005 Longitude 84.438524

Elevation of Well | 172.00 +/- m | ft. or m Datum Plain: ☐ NAD27 ☐ NAD83

Source of Coordinates: ☒ GPS ☐ Survey ☐ Other

ORIGINAL WELL ODNR Well Log Number 577837 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements: _____

Depth of Well 40 ft Static Water Level 15 ft

Size of Casing 8 inch Length of casing 21 ft

Well Condition Dry pipe and Pump Look to be in Fair Condition

SEALING PROCEDURE

Method of Placement Concrete Section 10.00 10.00

Placement: From 35A To D

From _____ To _____

From _____ To _____

Was Casing Removed? ☒ Yes or ☐ No
(circle one)

Condition of Casing Fair Condition / 2 Small Holes

Perforations: From _____ To _____

From _____ To _____

Date Sealing Performed 2/25/15

Reason(s) for Sealing Denial of admission**CONTRACTOR**

Name Cosmo Dulline ODH Registration # 4249

Address 6215 LEFFMAN Drive

City/State/Zip Flint, MI 48507

Signature W. L. Brown

I hereby certify the information given is accurate and correct to the best of my knowledge.

Completion of this form is required by section 1521.05 (B) (9), Ohio Revised Code - file within 30 days after completion of sealing.
ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 2045 MORSE ROAD, COLS., OHIO 43229-6605
 Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

County Permit No. _____

WELL LOG AND DRILLING REPORT

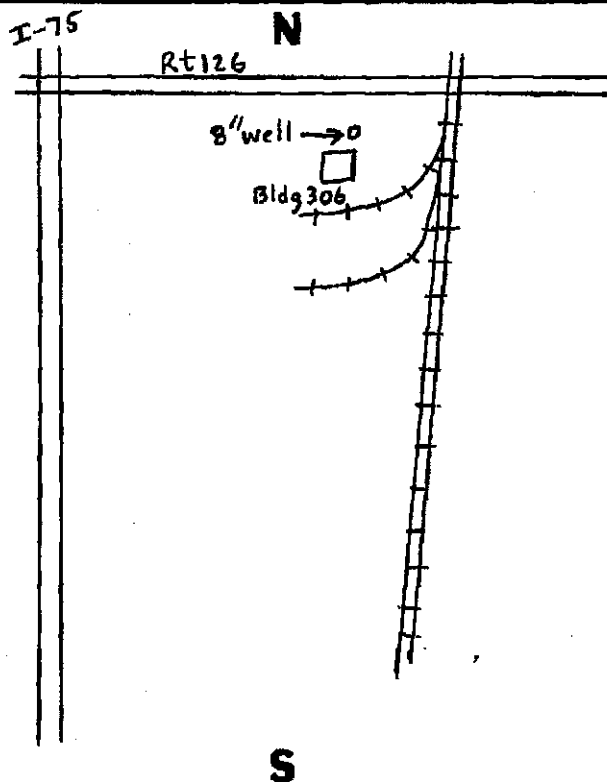
ORIGINAL

NO CARBON PAPER
NECESSARY -
SELF-TRANSCRIBINGState of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Fountain Square
Columbus, Ohio 43224

577837

COUNTY Hamilton TOWNSHIP Sycamore SECTION OF TOWNSHIP _____OWNER G. E Aircraft Engines ADDRESS Evendal, OHLOCATION OF PROPERTY East of I-75 between Shepard Ave. and Rt 126**CONSTRUCTION DETAILS**Casing diameter 8" Length of casing 40'
Type of screen 8" PS SS 304 Length of screen 15'
Type of pump N/A
Capacity of pump _____
Depth of pump setting _____
Date of completion _____**BAILING OR PUMPING TEST**
(specify one by circling)Test rate 195 gpm Duration of test 24 hrs
Drawdown 12' ft Date Sept 1991
Static level (depth to water) 19' ft
Quality (clear, cloudy, taste, odor) _____
Pump installed by _____**WELL LOG* #306**

Formations: sandstone, shale, limestone, gravel, clay	From	To
Yellow silty clay	0 ft	8 ft
Sandy silty gray till	8	44
Gray clay and fine sand	44	

WELL CONSTRUCTION:+ 1'2" - 20' - 8" riser
20' - 35' - 8" PS SS 304 screen .100" slot
35' - 40' - 8" sump
Parry gravel 3/16 x No.10**SKETCH SHOWING LOCATION**Locate in reference to numbered
state highways, street intersections, county roads, etc.DRILLING FIRM MOODY'S OF DAYTON, INC. DATE 9/27/91ADDRESS 4359 Infirmary Rd, Miamishburg, OH 45343 SIGNED Douglas F. Wagner

*If additional space is needed to complete well log, use next consecutive numbered form.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6605
Voice: (614) 265-6740 Fax: (614) 265-6767

0160552

LOCATION

County Hamilton / Butler Township Westchester Section/Lot Number

Owner/Builder C.E. General
Circle One or Both

Address of Well Location 1. Neumann Way Neumann Way
Number Street Name

City Cincinnati Zip Code 45241

Property Location 2 miles 1 1/2 of Shepherd Ave / Smalley Rd
n. e. s. w. nearest intersection

Description on the S/E SIDE OF STORAGE SHED side of STORAGE SHED road name APPROX 15-20 FT OFFERSE OF BUILDING

Location of Well in either:
 State Plane OR Latitude/Longitude
 Latitude 39.235432 Longitude 84.5141208

Elevation of Well | 1 | 7 | 0 | . | 5 | 0 | +/- | m. | ft. or m. | Datum Plain: ☐ NAD27 ☐ NAD83

Source of Coordinates: ☒ GPS ☐ Survey ☐ Other

ORIGINAL WELL ODNR Well Log Number 577838 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements

Depth of Well 62 Static Water Level 20ft
Size of Casing 9 inch Length of casing 42 Ft
Well Condition Well casing & screen good condition. Drop pipe and pump look to be in good condition.

SEALING PROCEDURE

Method of Placement		Sealing Material		Volume
Tremie Pipe		Bestonite Cement		360 gallons
Placement:	From	To		
	6.2	0	Bestonite Cement	360 gallons
	From	To		
	From	To		

Was Casing Removed? Yes or No
(circle one)

Condition of Casing Good Condition

Perforations: From _____ To _____
From _____ To _____

Date Sealing Performed 02/25/15 3-2-15

Reason(s) for Sealing: Declassification
(NOTE: Submitted earlier also 3/20/15)

CONTRACTOR

Name CASOADO, Dc. Nina ODH Registration # 4249

Address 6215 16th Avenue DENVER

City/State/Zip Fort Rte 48507

Signature *Donald Brown*
I hereby certify the information given is accurate and correct to the best of my knowledge.

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources, Division of Water
1939 Fountain Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

734176

Permit Number AF-INT-1

COUNTY Hamilton TOWNSHIP Lockport SECTION/LOT No. _____
(CIRCLE ONE)

OWNER/BUILDER General Electric PROPERTY ADDRESS Mill Creek Way
(CIRCLE ONE OR BOTH) (ADDRESS OF WELL LOCATION A)

LOCATION OF PROPERTY 1/2 mile SOUTH OF NEWMAN Way Cincinnati, Ohio

EAST OF I-75 CONSTRUCTION DETAILS

CASING Borehole Diameter 12 in. GROUT Bentonite Grout

(1) Diameter 8 in. Length 62 ft. Wall Thickness _____ in. Material Slurry Volume used _____

(2) Diameter _____ in. Length _____ ft. Wall Thickness _____ in. Method of installation Tremie

Type: (1) Stainless (2) Steel (1) PVC (2) Other Depth: placed from _____ ft. to _____ ft.

Gravel Pack (Filter Pack) Material Silica Sand Volume used _____

Method of installation Tremie

Joints: (1) Threaded (2) Welded (1) Solvent (2) Other

Liner: Length _____ Type _____ Wall Thickness _____ in. Depth: placed from _____ ft. to _____ ft.

SCREEN Stainless Pileless Device ☐ Adapter ☐ Preassembled unit

Type (wire wrapped, louvered, etc.) _____ Material Steel Use of Well monitoring & Recovery

Length 20 ft. Diameter 8 in. ☐ Rotary ☒ Cable ☐ Augered ☐ Driven ☐ Dug ☐ Other _____

Set between 42 ft. and 62 ft. Slot _____ Date of Completion 7-24-91

WELL LOG

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation:

sandstone, shale, limestone, gravel, clay, sand, etc.

From To

See Attached

WELL TEST

☐ Bailing ☒ Pumping ☐ Other _____

Test rate 100 gpm Duration of test 24 hrs.

Drawdown 4 ft.

Measured from: ☒ top of casing ☐ ground level ☐ Other _____

Static Level (depth to water) 32.9' ft. Date: 3/24/92

Quality (clear, cloudy, taste, odor) CLEAR

(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump SUBMERSIBLE Capacity 150 gpm

Pump set at -55 ft.

Pump installed by BOWSER-MORNER, INC

SKETCH SHOWING WELL LOCATION

Show distances well lies from numbered state highways,
street intersections, county roads, etc.

See Attached

W E

S

*If additional space is needed to complete well log, use next consecutively numbered form.

DNR 7802.90

Drilling Firm BOWSER-MORNER Signed _____

Address 4518 Taylorsville Road Date _____

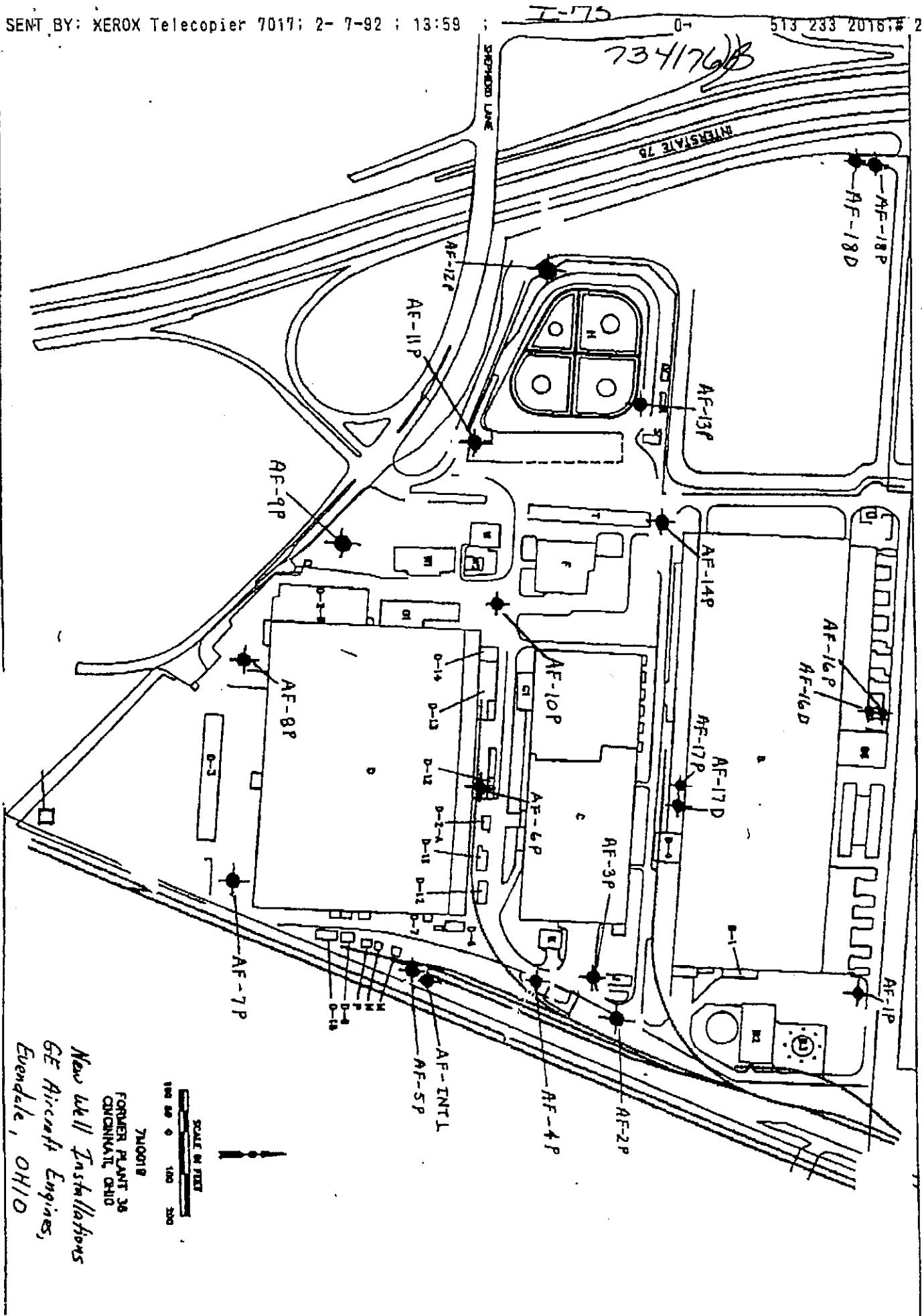
City, State, Zip P. O. Box 51 ODH Registration Number 1631

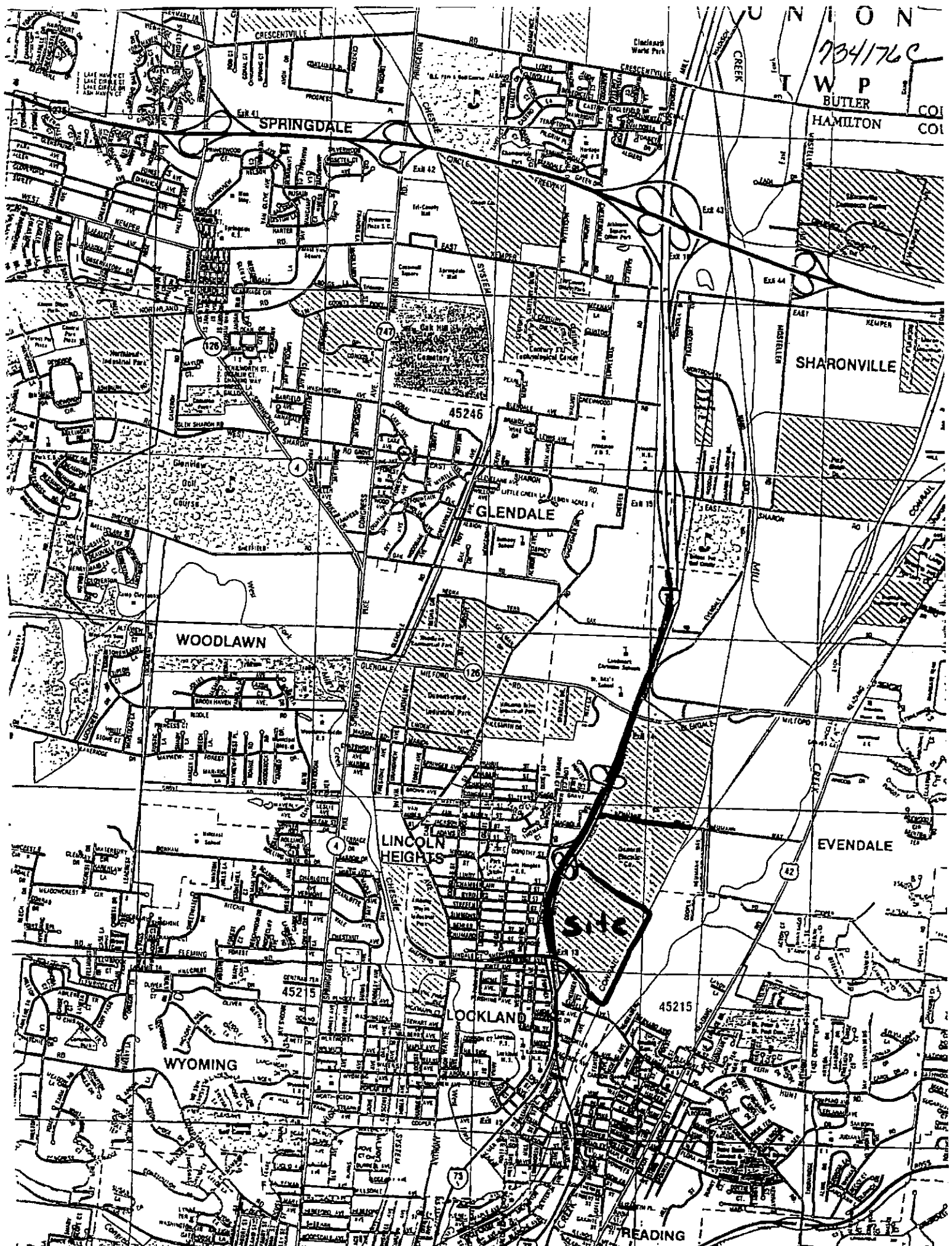
Dayton, Ohio 45401

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy





234176D

LOG OF BORING No. *AF INT-1*BORING LOCATION: *on Loc*DATE STARTED: *7-18-91*

SURFACE ELEVATION:

DATE COMPLETED:

STRATUM	DESCRIPTION OF MATERIAL SOIL CLASSIFICATION SYSTEM:	SAMPLE NO. & TYPE	SAMPLE DEPTH	BLOWS PER 6" ON SAMPLER	"N" BLOWS/ FT	SAMPLE RECOVERY IN
<i>0-1</i>	<i>Fill Gravel</i>					
<i>1-17</i>	<i>Sandy Clay</i>					
<i>17-35</i>	<i>Sand & Gravel</i>					
<i>35-41'6"</i>	<i>Blue Clay</i>					
<i>41'6"-59</i>	<i>Sand & Gravel</i>					
<i>59-63</i>	<i>Loose Clay</i>					

DRILLING METHOD: *Case*DRILLER: *Sheetz*JOB NO.: *11523*

WATER OBSERVATIONS

INITIAL DEPTH: *32' 9"*

COMPLETION DEPTH:

DEPTH AFTER HRS.

TYPE SAMPLER:

☒ A. SPLIT SPOON☐ B.☐ C. SHELBY TUBE

BOWSER-MORNER

NAME: Spitzer

734176E

JOB NO. 11523 DATE: 1 SHEET 1 OF 1

BORING NO.	DET-1	DATE INSTALLED	7-24-91
SOIL BORING FEET	6.2	SURFACE ELEV.	
AUGER SIZE I.D.	12"	BOTTOM OF BORING	6.2
STD. PEN TESTS		BOTTOM OF SCREEN	6.2
SHELBY TUBES		TOP OF SCREEN	4.2
ROCK CORING FEET		TOP OF SAND	39.2
HOLE GROUTING FEET		TOP OF BENT. PELLETS	3.4
DECON. TIME		TOP OF BENT. SLURRY	0
DOT DRUMS		TOP OF BENT./CEMENT	
ACCESS TIME		TOP OF SOIL BACKFILL	
MONITORING WELL INFORMATION		TOP OF RISER PIPE	1.2
		TOP OF GUARD PIPE	
SIZE OF PIPE	8"	TOP OF M'HOLE COVER	
TYPE OF PIPE	5.5	INITIAL WATER DEPTH	32.9'
FT. OF SCREEN	10/0 2.0	COMPLETION DEPTH	
FT. OF RISER	42.6	24 HR. WATER DEPTH	
CAPS	1	48 HR. WATER DEPTH	
PLUGS	1	HR. WATER DEPTH	
POUNDS OF SAND	11.50		
500 BAGS/GOLD SEAL			
1000 BAGS/GRANULAR BENTONITE			
BUCKETS OF PELLETS	3		
500 BAGS/VOLCLAY	10		
960 BAGS/CEMENT			
BAGS OF SAK-CRETE			
BAGS OF ASPHALT MIX			
GUARD PIPE			
MANHOLE COVER			
INSTALLATION TIME			
DEVELOPMENT TIME			
STAND-BY TIME			

Pure shell
short

Pellets 3.4

SAND 39.2

4.2

6.2

RECEIVED

APR 16 1992

DIVISION OF WATER
GROUND WATER RESOURCES

COMMENTS: